

Lewis Structure Practice and Molecular Geometry

Pre-AP

Day 1: Complete the Lewis structures for each of the compounds listed below. Make sure you go through all 4 steps. See page 323-327 in text for additional assistance.

Day 2: Complete the molecular geometry column of the table; make sure you take into account the lone pairs.

Formula	Ve ⁻	Lewis Structure	Molecular Geometry	Polar (Y/N)
N ₂				
OH ⁻				
CO				
OF ₂				
SO ₃				
NI ₃				
Cl ₃ PO (P is Central)				
NO ₂ Br (N is central atom)				
CH ₂ O				
ClF ₄ ⁻				
XeF ₃ ⁺				
SO ₂ Cl ₂ (S is central atom)				
XeF ₂				